

Title (en)

VARIABLE GEOMETRY ASSEMBLY FOR A TURBOMACHINE AND TURBOMACHINE COMPRISING SAID ASSEMBLY

Title (de)

ANORDNUNG MIT VARIABLER GEOMETRIE FÜR EINE TURBOMASCHINE UND TURBOMASCHINE MIT DER ANORDNUNG

Title (fr)

ENSEMBLE À GÉOMÉTRIE VARIABLE POUR UNE TURBOMACHINE ET TURBOMACHINE COMPORTANT LEDIT ENSEMBLE

Publication

EP 3258068 A1 20171220 (EN)

Application

EP 17175524 A 20170612

Priority

IT UA20164308 A 20160613

Abstract (en)

A variable geometry assembly for modulating a fluid flow in a turbomachine is disclosed. The assembly comprises: a first ring (33; 133) having a plurality of first wedge-shaped elements (37; 137) and having an axis (A-A); a second ring (35; 135) having a plurality of second wedge-shaped elements (39; 139) and having an axis (A-A). The second ring is substantially coaxial to the first ring. The second wedge-shaped elements (39; 139) co-act with the first wedge-shaped elements (37; 137). Flow passages (41) are defined between pairs of sequentially arranged first wedge-shaped elements (37; 137) and second wedge-shaped elements (39; 139). The first ring (33; 133) and the second ring (35; 135) are angularly displaceable one with respect to the other. Moreover, the first ring (33; 133) and the second ring (35; 135) are configured to move axially with respect to one another when the first ring and the second ring are angularly displaced one with respect to the other.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

- [X] EP 1260675 A1 20021127 - IVECO MOTORENFORSCHUNG AG [CH]
- [A] WO 2009115437 A2 20090924 - CONTINENTAL AUTOMOTIVE GMBH [DE], et al
- [A] WO 2008129274 A2 20081030 - IMP INNOVATIONS LTD [GB], et al

Designated contracting state (EPC)

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Designated extension state (EPC)

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DOCDB simple family (publication)

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